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Rev. 07/10/02

Molex

Molex 2222 Wellington Ct Lisle,IL 60532

Phone: 630-527-4443 FAX: 630-428-2969

email: Ghermanny@Molex.com

111574

Monday, February 18, 2002

USEPA Carol Ropski Emergency Enforcement and Support Section, SE-5J 77 West Jackson Blvd Chicago, IL 60604-3590

Dear Ms. Ropski:

In response to your request for information dated January 30, 2002, I am submitting the following for your review. The questions will be answered using the number scheme that you have in Attachment B. These responses will be for both our facilities at 5225 Walnut and 5224 Katrine in Downers Grove, IL.

- 1. In addition to this writer, JEFF ZAK P.E., Manager of Engineering Services for Scientific Control Laboratories, 3158 Kolin Ave, Chicago, IL 60623, Ph. 773-254-2406 and GEORGE MONCEK, President of United Environmental Consultants, Inc., 119 E. Palatine Rd., Suite 101, Palatine, IL 60067 participated in providing the information given below. Mr. Zak and Mr. Moncek are environmental consultants that we have used at our Walnut facility.
- 2. The only documents that I have to submit for review show the removal of a UST in 1999 from our Walnut facility. Our Walnut facility ceased doing plating operations in 1993 when that function was moved to Little Rock, AR. Any documents associated with our former plating operation at Walnut were destroyed years ago.

The waste stream from the plating operations consisted of Ni sludge in paste form that came from our waste treatment equipment inside the building. We have monitoring wells at the site that checked for any chemicals that might have leached into the soils. These wells were tested after the plating operations had ceased and were found to be clean.

The only other chemical that we used were mineral spirits in a stamping operation also at Walnut. These mineral spirits were stored in a tank that was removed in 1999. During the removal process, some ground contamination was found around the tank, not from tank leakage, but from spillage during the filling process. The contaminated soil was removed and the site remediated under the supervision of the State Fire Marshall's office. The attached materials will show this.

- 3. There are no other individuals that can provide the requested information.
- 4. Mr. Zak and Mr. Moncek
- 5. No, other than the operations as described above. As earlier stated, the records associated with those plating operations were destroyed years ago.

At no time did Molex ever use trichloroethylene or tetrachloroethylene in any of our operations at either Walnut or Katrine. In the event that your office wants to draw samples from our monitoring wells to collect samples, we would be happy to accommodate this request.

- 6. As described, there were plating and stamping operations in Walnut which ended in 1993. At Katrine, there were no operations which generated hazardous materials.
- 7. Molex purchased the Katrine site on Jan. 24, 1964 from a trust. The paperwork associated with that purchase is included in the package. As for the Walnut site, I don't have the exact title information here at Molex Headquarters. This information can be obtained through a title search at the DuPage County courthouse.
- 8. This information for Katrine is included in the attached paperwork. As stated, I have no records here on the Walnut site but you could obtain them from the courthouse.
- 9. None.
- 10. Prior owner of Katrine was a trust while the former owner of Walnut is believed to be a Ned Lopata.
- 11. Same as #10.
- 12. None
- 13. No
- 14. No
- 15. UST removal information from Walnut is attached.
- 16. None
- 17. No

- 18. Tank overfilling cause some soil contamination around the mineral spirits tank. The contaminated soil was removed when the tank was removed.
- 19. This information is given in the attached UST removal report.
- 20. None was used.
- 21. As stated, those records were destroyed years ago.

This concludes the information request response to the best of our knowledge at this time. Please call me at the above number in the event that you have some questions about anything outlined in this response.

Sincerely,

MOLEX, INC.

Gene Hermanny

Security/Safety Manager

This Indenture, Made trus_	30th day or April A. D. 19 64, between
SEARS BA	NK and TRUST COMPANY
an Illinois corporation of Chicago, Illin	nois, as Trustee under the provisions of a deed or deeds in
trust, duly recorded and delivered to s	aid Bank in pursuance of a trust agreement dated the 24th
day of January 196	64 , and known as Trust Number 700668 , party of
the first part, and MOLEX PROI	DUCTS COMPANY, an Illinois corporation
of Illinois part	t_y_ of the second part.
WITNESSETH, that said party of	the first part, in consideration of the sum of
TEN AND NO/100	Dollars, (\$ 10.00) and other good and valuable
considerations in hand paid, does hereby	y grant, sell and convey unto said part_y of the second part,
the following described real estate, situ	ated in Du Page County, Illinois, to-wit:
Section 12, Township 38 No	init 4, a subdivision in the South half of orth, Range 10, East of the Third Principal plat thereof recorded December 11, 1959 age County, Illinois.
together with the tenements and appur	rtenances thereunto belonging.
TO HAVE AND TO HOLD the san	ne unto said part V. of the second part.
	and to the proper use, benefit and behoof of
said party of the second part forever.	R64-14650
	DOG NO
	MAY - 4°64 -9 <u>25</u> AM
	Phase J. Deckler

This deed is executed by the party of the first part, as Trustee, as aforesaid, pursuant to and in the exercise of the power and authority granted to and vested in it by the terms of said Deed or Deeds in Trust and the provisions of said Trust Agreement above mentioned, and of every other power and authority thereunto enabling, free and clear of any lien of said Trustee, SUBJECT, HOWEVER, to: every lien, encumbrance, restriction or charge upon said real estate, or any interest therein; pending litigation, if any, affecting said real estate; all unpaid general taxes and special assessments; mechanic's lien claims, if any, which may be valid claims against said real estate; Zoning, Building and Liquor Laws and Ordinances.

IN WITNESS WHEREOF, said party of the first part has caused its corporate seal to be hereto affixed, and has caused its name to be signed to these presents by its ACCHARIN Vice-President and attested by its Assistant Secretary, the day and year first above written.

ATTEST: Assistant Secretary

SEARS BANK and TRUST COMPANY

Revenue Stamps to be affryed after recording

This Trust Agreement, dated this 24th day of January

and known as Trust Number 700668 is to certify that SEARS BANK and TRUST COMPANY, an Illinois corporation, of Chicago, Illinois, as trustee hereunder, is about to take title to the following described real estate in DuPage County, Illinois, to-wit:

> Lot 17 in Ellsworth Park Unit 4, a subdivision in the South half of Section 12, Township 38 North, Range 10, East of the Third Principal Meridian, according to the plat thereof recorded December 11, 1959 as document 950172, in DuPage County, Illinois

and that when it has taken the title thereto, or to any other real estate deeded to it as trustee hereunder, it will hold it for the uses and purposes and upon the trusts herein set forth. The following named persons shall be entitled to the earnings, avails and proceeds of said real estate according to the respective interests herein set forth, to writ:

John H. Krehbiel, Sr, Edwin P. Krehbiel Marie Manette

IT IS UNDERSTOOD AND AGREED between the parties hereto, and by any person or persons who may become entitled to any interest under this trust:

(A) That the interest of any beneficiary hereunder shall consist solely of a power of direction to deal with the title to said property and to manage and control said property as hereinafter provided, and the right to receive the proceeds from rentals and from mortgages, sales or other disposition of said premises, and that such right in the avails of said property shall be deemed to be personal property, and may be assigned and transferred as such; that in case of the death of any beneficiary hereunder during the existence of this trust, his or her right and interest hereunder shall, except as herein otherwise specifically provided, pass to his or her executor or administrator, and not to his or her heirs, at law; and that no beneficiarly nevender at any time shall have any right, title or interest in or any portion of said real estate as such, either legal or equitable, but only an interest in the earnings, avails and proceeds as aforesaid. The death of any beneficiarly hereunder shall not terminate the trust nor in any manner affect the powers of the trustee hereunder. No assignment of any beneficial interest hereunder shall be binding on the trustee until the original or a duplicate of the assignment is lodged with the trustee, and every assignment of any beneficial interest hereunder shall be binding on the trustee until the original rest hereunder, the original or duplicate of which shall not have been lodged with the trustee, shall be void as to all subsequent assignees or purchasers without notice.

(B) In case said trustee shall we compelled to pay any sum of money on account of this trust or shall be made a party to any litigation on account of holding title to said real estate or in connection with this trust, or in case contract, injury to person or property, fines or penalties under any law or otherwise, the beneficiaries hereunder of hereby jointly and sev

sation for itself and its attorneys, to pay the balance thereof to the beneficiary or beneficiaries hereunder as his, her or their interest may appear.

(C) It shall not be the duty of the purchaser of said premises or of any part thereof to see to the application of the purchase money paid therefor, nor shall any one who may deal with said trustee be required or privileged to inquire into the necessity or expediency of any act of said trustee, or of provisions of this instrument.

(D) This trust agreement shall not be placed on record in the Recorder's Office of the county in which the land is situated, or elsewhere, and the recording of the same shall not be considered as notice of the rights of any person hereunder, derogatory to the title or powers of said trustee.

(E) It is understood and agreed by the parties hereto and by any person who may hereafter become a party hereto, that said SEARS BANK and TRUST COMPANY will deal with said real estate only when authorized to do so in writing, and that it will make deeds for or otherwise deal with the title to said real estate on the written direction of such person or persons as may be the beneficiary or beneficiaries at the time, or (notwithstanding any change in the beneficiary or beneficiaries hereunder) on the written direction of

beneficiaries owning fifty-one per cent (51%) or more of the beneficial interest hereunder.

or of such other person or persons as shall be from time to time named in writing by the beneficiary or benefi-

DEMINING FENCINEL	To whom shall bills be mailed? BUNGUM, NEWHING & ENCHAL
NEWMARK & FENCHEL	To whom shall inquiries be referred! BERGER, NEWMARK & FENCHEL
he public? NO	May the name of any beneficiary be disclosed to the public?
Address	(SEAL)
Address.	(SEAL)
Address	(SEAL)
Address - BOULD TIE WE THE DISORTIETS	(SEAL)
Addres 9515 Southwier five, Brookfield	(SEAL)
Address 2515 Southview Ave., Brookfield	(SEAL)
Addres 9515 South view Ave., Brookfield	Challin Titatuck (SEAL)
Address 9515 South yier Ave., Brookfie	The Atherita (SEAL)
And on said day the said beneficiaries have signed this Declaration of Irust and Irust Agreement in order to signify their assent to the terms hereof.	And on said day the said beneficiaries have signify their assent to the terms hereof.
	Assignt Secretary

Dated

Trust Number

SEARS BANK
AND TRUST COMPANY
3401 W. Arthington St.
Chicago 24, Illinois
VA 6-6900

Trust Agreement

AND DECLARATION OF TRUST

OWNERS TITLE INSURANCE POLICY - TRUSTEE'S FORM AMERICAN TITLE ASSOCIATION COVERAGE STANDARD FORM A - CENTRAL REGION - 1960

CHICAGO TITLE AND TRUST COMPANY

a corporation of Illinois, herein called the Company, for a valuable consideration, hereby insure's the party named in Schedule A, hereinafter called the Insured, and the successors in trust to such party, against loss or damage not exceeding the amount stated in Schedule A, together with costs, attorneys' fees and expenses which the Company may become obligated to pay as provided in the Conditions and Stipulations hereof, which the Insured shall sustain by reason of:

Any defect in or lien or encumbrance on the title to the estate or interest covered hereby in the land described or referred to in Schedule A, existing at the date hereof, not shown or referred to in Schedule B or excluded from coverage in Schedule B or in the Conditions and Stipulations;

all subject, however, to the Conditions and Stipulations hereto annexed, which conditions and Stipulations, together with Schedules A and B, are hereby made a part of this policy; all as of the date of this policy.

> In Witness Whereof, CHICAGO TITLE AND TRUST COMPANY has caused this policy to be signed and sealed as of the date of policy shown in Schedule A, the policy to become valid when countersigned by an authorized signatory.

aul W. Haodrich President.

Countersigned

Authorized Signatory

IMPORTANT

This policy necessarily relates solely to the title as of the date of the policy. In order that a purchaser of the real estate described herein may be insured against defects, liens or encumbrances, this policy should be reissued in the name of such purchaser.

Trustee's Form American Title Association Coverage Standard Form A Central Region — 1960

> **OWNERS** TITLE **INSURANCE POLICY**

CHICAGO TITLE AND TRUST **COMPANY**

SCHEDULE A

No

Date of Policy

Amount of Policy

346898 DuPage February 3, 1964

\$29,000.00.

NAME OF INSURED

SEARS BANK AND TRUST COMPANY, AN ILLINOIS CORPORATION, TRUSTEE UNDER TRUST AGREEMENT NUMBER 700666, DATED JANUARY 24, 1964.

- The estate or interest in the land described or referred to in this schedule covered by this policy is:
 FEE SIMPLE TITLE.
- 2. Title to the estate or interest covered by this policy at the date hereof is vested in the Insured.
- 3. The land referred to in this policy is described as follows:

Lot 17 in Ellsworth Park Unit 4, a subdivision in the South half of Section 12, Township 38 North, Range 10, East of the Third Principal Meridian, according to the plat thereof recorded December 11, 1959, as document 950172, in DuPage County, Illinois.

SCHEDULE B

This policy does not insure against loss or damage by reason of the following: (NOTE: There are no items numbered 1, 2 and 3 under the Special Exceptions of Schedule B.)

Special Exceptions:

- 4. Building line 50 feet on East line of premises in question, as shown on the plat of Ellsworth Park Unit 4, aforesaid.
- 5. Utility easement 10 feet along West line of premises in question, as shown on the plat and contained in the certificate appended to the plat of Ellsworth Park Unit 4, aforesaid.
- 6. Grant dated May 20, 1958, and recorded May 21, 1958, as document 880595, from Rudolph C. Ellsworth, as Trustee under Trust Agreement, dated November 23, 1937, to Commonwealth Edison Company and Illinois Bell Telephone Company, a corporations of Illinois, over a strip of land 10 feet in width for public utility purposes, together with right of access thereto, the center line of said strip described as follows: Commencing at the intersection of the East line of Arthur T. McIntosh and Company's First Addition to Belmont and the South line of Lot 6 in Ellsworth Park; thence East along said South line of said Lot 6 in Ellsworth Park a distance of 5 feet for aplace of beginning; thence Southerly and parallel to said East line of said Arthur T. McIntosh and Company's First Addition to Belmont a distance of 345.0 feet; thence Northerly and parallel to the said East line of said Arthur T. McIntosh and Company's First Addition to Belmont, a distance of 25.0 feet; thence Easterly parallel to said South line

of said Lot 6 in said Ellsworth Park, to intersect with the West line of Lot 5 in said Ellsworth Park, in Section 12, Township 38 North, Range 10, East of the Third Principal Meridian.

(For further particulars, see record.)
(Affects along South line of premises in question.)

7. Taxes for the years 1963 and 1964.

General Exceptions:

Momens New 1. The following matters which are not of record as of the date of this policy are not insured against: (a) rights or of Record claims of parties in possession not shown of record; (b) encroachments, overlaps, boundary line disputes, and any matters which would be disclosed by an accurate survey and inspection of the premises; (c) easements and claims of easement not shown of record; (d) mechanics' or materialment's liens or other statutory liens for labor or material not shown of record; (e) taxes or special assessments which are not shown as existing liens by the public records.

Forms of 7 True 2. This policy is subject to the terms, conditions, provisions and limitations of the trust agreement or crust instrument under which the party insured holds title as trustee to the estate or interest described in Schedule A.

3. This policy does not insure against rights of dower, homestead or other marital rights of the spouse, if any, of any individual insured or the spouse, if any, of any individual beneficiary.

Conditions and Stipulations. See reverse side hereof.

CT&TCo Owners — Trustee's Form — ATA Form A Coverage

UNITED

ENVIRONMENTAL CONSULTANTS, INC.

119 East Palatine Road • Suite 101 • Palatine, Illinois 60067 • (847) 359-8700 • FAX (847) 359-8755

CORRECTIVE ACTION COMPLETION REPORT UST CAVITY REMEDIATION

MOLEX, INC.

5225 Walnut Avenue Downers Grove, Illinois 60515 LUST Incident No: 991205

98348.car

Quality Drafanaianal Camilana

CORRECTIVE ACTION COMPLETION REPORT UST CAVITY REMEDIATION

MOLEX, INC.

5225 Walnut Avenue Downers Grove, Illinois 60515 LUST Incident No: 991205

Prepared For:

Mr. Eugene T. Hermanny MOLEX, INC. 2222 Wellington Avenue Lisle, Illinois 60532

Prepared By:

Mr. Chris Hull
Mr. Keever L. Davis
Mr. Tony J. Bush
Mr. George F. Moncek
UNITED ENVIRONMENTAL CONSULTANTS, INC.

119 East Palatine Road Suite 101 Palatine, Illinois 60067

September 1999

Mr. George F. Moncek Principal Hydrogeologist President

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- 2. Site Features Map
- 3. Soil Sample Location Map
- 4. Cross-Section Map

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- I. Summary of Photoionization Detector Results Soil Samples
- II. Summary of Analytical Results

ATTACHMENTS

- 1. IEPA 20-Day Report and Miscellaneous Project Correspondences
- 2. Photographic Log of Field Activities
- 3. IEPA Manifest Forms and Landfill Disposal Permits
- 4. Laboratory Certificate-of-Analysis
- 5. IEPA 45-Day Report, Site Identification, and Professional Engineer Certification Forms

INTRODUCTION

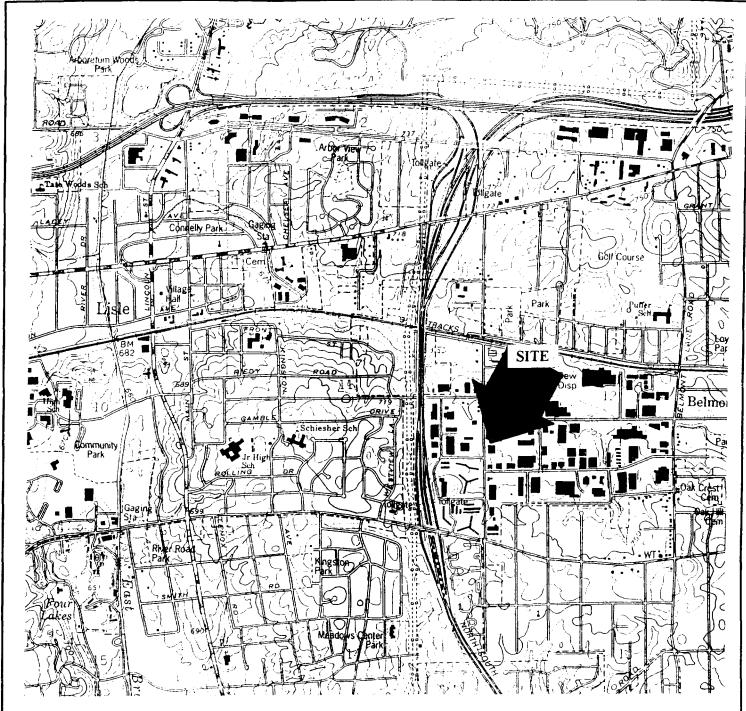
The investigation site is the Molex, Inc. facility located at 5225 Walnut Avenue, Lisle, Illinois (Figure 1). A total of one (1) underground storage tank (UST) was located at the above referenced facility. The tank had the following capacities and contents: One (1) 2,500-gallon fiberglass reinforced plastic (FRP) Mineral Spirits tank. A map detailing the site features is presented in Figure 2.

PHYSIOGRAPHY / GEOLOGY

The site is located in Downers Grove, Illinois within a corporate subdivision containing a cosmopolitan mixture of industria!, manufacturing and commercial business enterprises along the Walnut Avenue corridor. Residential homes and neighborhoods are additionally located sporadically throughout the area.

The Illinois State Geological Survey (ISGS) Circular (1984), "Potential for Contamination of Shallow Aquifers in Illinois", by Berg, Richard C., *et al.* was utilized to accurately locate the investigation site in relation to the local geology of the subsurface soil formations believed to exist throughout the area.

The site appears to be located in an "E" area, which generally consists of uniform, relatively impermeable silty or clayey till, at least 50-feet thick, with no evidence of interbedded continuos sand and gravel lenses.



ADAPTED FROM THE USGS WHEATON QUADRANGLE; TOWNSHIP 38N., RANGE 10E., SECTION 12, DOWNERS GROVE, DuPAGE COUNTY, ILLINOIS.

APPROXIMATE SCALE: 1-IN. = 2000-FT.

UNITED

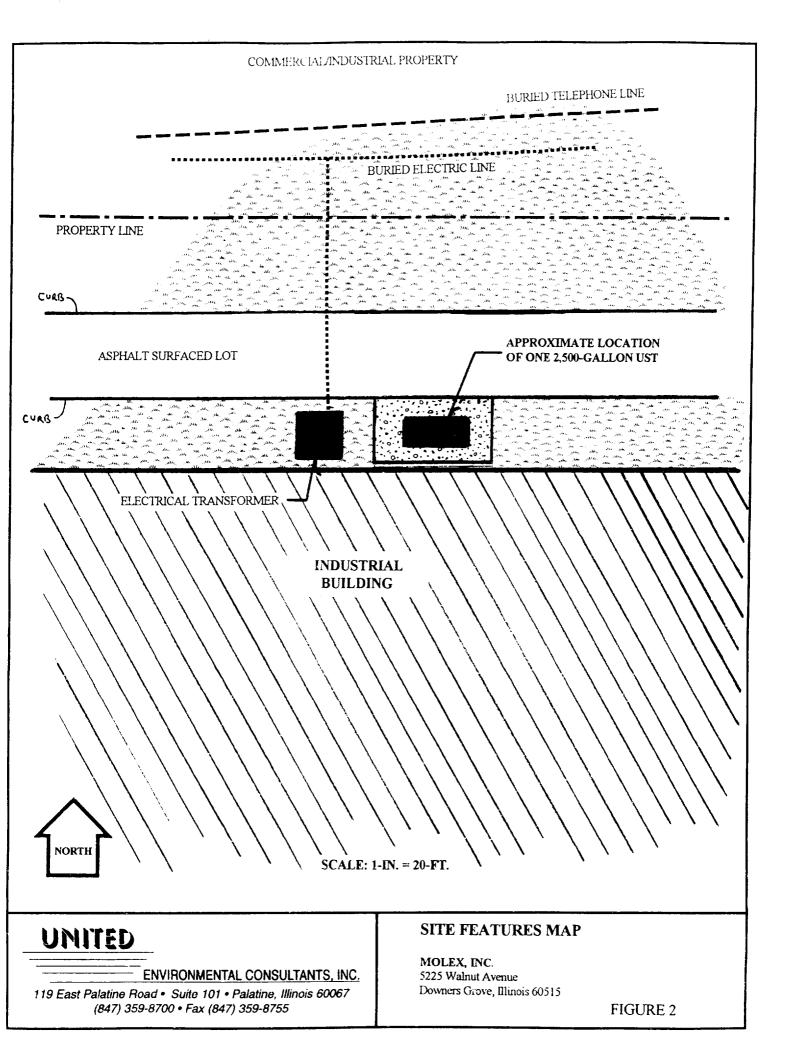
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SITE LOCATION MAP

MOLEX, INC. 5225 Walnut Avenue Downers Grove, Illinois 60515

FIGURE 1



The ISGS "Surficial Geology of the Chicago Region" map by Willman, H. B., et al., was additionally reviewed. This map revealed that the Wheaton Moraine sediments (clays and silty clays) of the Wedron Formation are present atop the bedrock in most of the general site area. The Wedron Formation generally lacks extensive hydraulic interconnections. The limited vertical and horizontal extent of the localized water bearing lenses of silt and sand, when present, restrict its use for water supply. The shallow perched water table, when present, is recharged locally by infiltration of precipitation.

United Environmental Consultants Inc. (UNITED) has been retained by Molex, Inc., to complete the removal of one (1) 2,500-gallon Mineral Spirit UST system at the Molex, Inc., Downers Grove, Illinois facility.

The required application for removal of underground storage tanks was submitted to the Office of the State Fire Marshall (OSFM). The application was approved by the OSFM who issued the Tank Removal Permit # (00462-1999). With respect to the requirements of the IEPA and OSFM, the subsequent tank removal was conducted in an expeditious fashion. A copy of the UST removal permit is presented in Attachment 1.

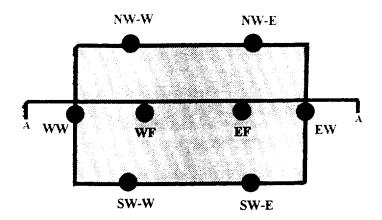
UNDERGROUND STORAGE TANK REMOVAL ACTIVITIES

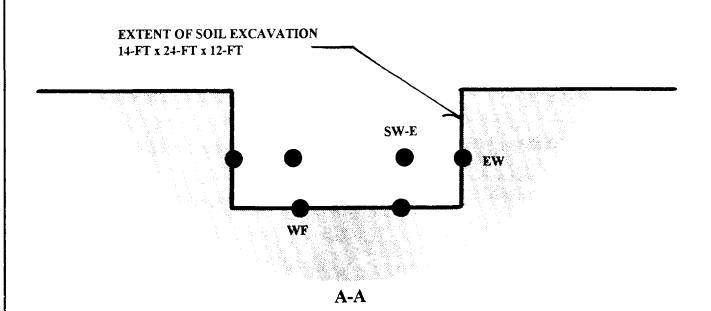
On May 19, 1999, one (1) 2,500-gallon Mineral Spirits UST system was excavated and removed under the supervision of an inspector from the Office of the State Fire Marshal (OSFM), Mr. Scott Johnson, who witnessed the tank removal procedure. A site features map detailing the former UST location is presented in Figure 2. A complete photographic log of the field activities conducted at the site is presented in Attachment 2.

Prior to removal, the explosive vapors were purged from the tank using a forced air educator system. An Explosimeter and oxygen level meter was utilized to determine the status of the atmosphere within the UST prior to the conductance of further excavation activities. Once the lower explosive limit (LEL) for mineral spirits constituents was found to be less than 5%, the OSFM representative authorized the tank removal procedures to continue. The UST 2,500-gallon mineral spirits tank was removed and placed atop plastic sheeting for inspection and tank cleaning activities.

UST CLEANING AND CRITICAL TANK INSPECTIONS

The outside of the tank was scraped with a shovel to remove any excess soil matter. Holes were then cut into the ends of the tank to allow for tank entry and interior cleaning under constant surveillance of the potentially explosive vapors within the UST. The interior of the tanks were scraped of any residuals.





SCALE: 1-IN. = 10-FT.

UNITED

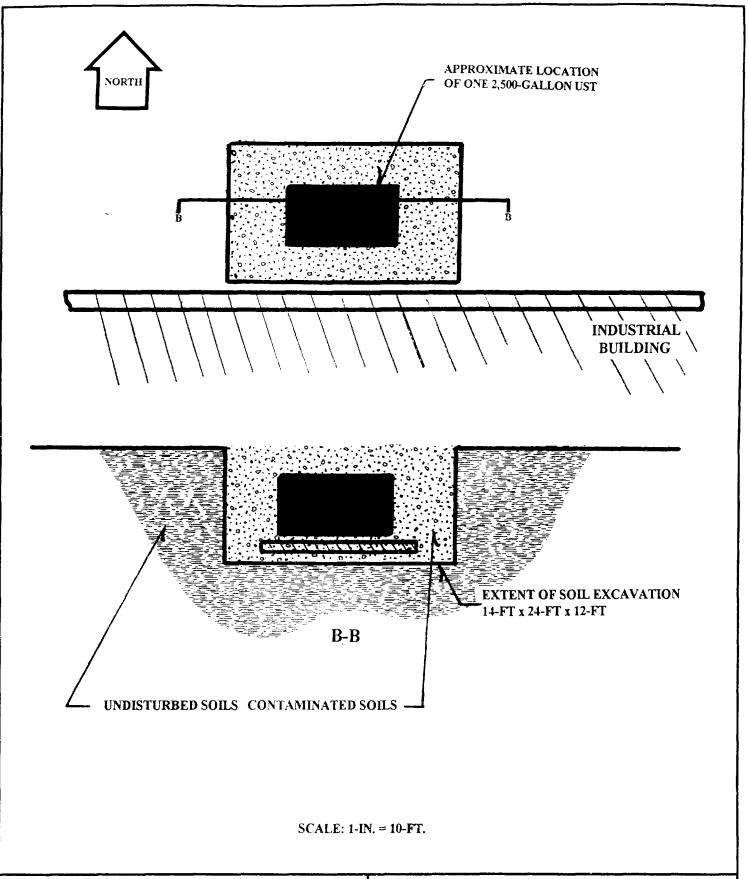
ENVIRONMENTAL CONSULTANTS, INC.

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SAMPLE LOCATION MAP

MOLEX, INC. 5225 Walnut Avenue Downers Grove, Illinois 60515

FIGURE 3



UNITED

ENVIRONMENTAL CONSULTANTS, INC.

119 East Palatine Road • Suite 101 • Palatine, Illinois 60067 (847) 359-8700 • Fax (847) 359-8755

CROSS SECTION MAP

MOLEX, INC. 5225 Walnut Avenue Downers Grove, Illinois 60515

FIGURE 4

The tank interior cleaning process entailed scraping the inside of the vessel using a sorbant material (Oil Dry) to absorb any residual product remaining, then shoveling all sorbant materials, into one (1) 55-gallon DOT approved drum outside the tank. One (1) drum containing the cleaning and waste products was stored on-site and disposed of as special waste by RS Used Oil Service, Inc. upon completion of the tank removal. The liquid and drum disposal documentation is presented in Attachment 3.

Upon completion of the tank cleaning activities, an inspection was performed by UNITED to document the overall condition and integrity of the removed UST. The inspection revealed the 2,500-gallon Mineral Spirits tank was constructed of fiberglass reinforced plastic (FRP). No holes, cracks or evidence of weak areas were observed within the removed tank. The product piping on-site was constructed of fiberglass. No holes, cracks, stress fractures, or evidence of weak areas were observed within the removed fiberglass product piping.

RESPONSE TO A SUSPECTED PETROLEUM BASED SOLVENT RELEASE

Upon completion of the tank removal activities, Mr. Scott Johnson, inspector for the OSFM, performed an inspection of the former tank cavity and backfill material. The backfill within the excavation cavity exhibited strong Mineral Spirits odors. According to Mr. Scott Johnson, the release was believed to be caused by overspill, and overfill of the UST.

According to Mr. Johnson of the OSFM, the native clay walls of the cavity did not appear to be heavily impacted and the release was classified as a "minor" petroleum release. The cavity was then partially backfilled with the removed soils to await the conductance of Early Action Site Remediation Activities.

Therefore, on May 19, 1999, in response to a suspected "minor" petroleum solvent release, Mr. Eugene T. Hermanny of Molex, Inc. obtained an Incident Number concerning this suspected release from the Illinois Emergency Management Agency (IEMA). Mr. Hermanny obtained Incident Number 991205 concerning a suspected petroleum solvent release from the 2,500-gallon UST system at the Molex, Inc. facility from the Illinois Emergency Management Agency (IEMA). All future Illinois EPA correspondences will be required to reference this incident number. The IEPA required 20-Day Certification Report was previously submitted to the Agency as detailed in Attachment 1.

FREE PHASE PRODUCT REMOVAL ACTIVITIES

Upon completion of the tank removal activities, free-phase product sheen was observed by the OSFM representative atop the collected cavity waters within the former tank cavity and pea gravel. Mr. Tony Bush of UNITED observed the presence of free phase product (less than approximately 10-gallon total) in a very thin, sheen type, layer atop the collected water within the former tank cavity as detailed in the photographic log presented in Attachment 2.

In response to this finding, Molex Inc. conducted free-phase product removal activities at the site in accordance with 35 Illinois Administrative Code, Part 732. The required IEPA Free Product Removal Report is presented in Attachment 5.

Under the direction of Molex, Inc., UNITED retained vacuum trucks provided by RS Used Oil Service, Inc. to remove the cavity water and minor volume of free-phase product sheen from the cavity so that the Early Action Site Remediation activities could continue. This methodology was selected by Molex, Inc.. to remove the free-phase product from the cavity in an expeditious fashion.

A total of approximately 1,750-gallons of cavity water and less than 10-gallon of free-phase Mineral Spirit sheen was collected and removed from the open excavation cavity for disposal in a licensed disposal facility. The cavity liquids were removed via vacuum trucks and were transported under signed manifest for permitted disposal at a local recycling facility (Attachment 3).

IMPACTED SOIL EXCAVATION AND DISPOSAL ACTIVITIES

United Environmental Consultants Inc. (UNITED) has been retained by Molex Inc, to complete the Early Action Site Remediation Activities and prepare the IEPA required 45-Day and Free Product Removal Reports concerning Incident No: 991205, in accordance with 35 Illinois Administrative Code (IAC), Part 732 protocols. Molex, Inc. had elected to complete the Early Action Site Remediation Activities in accordance with 35 Illinois Administrative Code (IAC), Part 732.

UNITED subsequently mobilized to the facility to the Early Action Site Remediation Activities on July 23, 1999. Experienced UNITED Hydrogeologist, Mr. Tony Bush, supervised and documented the impacted soil removal activities and logged all project related information in a field log book in accordance with UNITED protocols.

Approximately 195-cubic yards of impacted backfill soils and pea gravel, were removed from the former UST cavity during the Early Action Site Remediation Activities implemented at this facility. A map detailing the general site features and limits of excavation is presented in Figure 2. The backfill soils were removed from the former UST cavity to the native clay sidewalls and floor of the cavity. The excavation activities concentrated on the removal of the backfill material within approximately 4-feet of the original UST system configuration.

The impacted backfill soils excavated from the former tank cavity were loaded onto licensed special waste hauling vehicles. The impacted fill soils removed from this facility were transported under Illinois Generator I.D. No:0430305116 and signed Uniform Non-Hazardous Special Waste Manifest to the Community Landfill (Facility No: 0630600001), in Morris, Illinois, for permitted disposal. Copies of the IEPA Manifest forms can be found in Attachment 3.

The impacted soils were excavated to the clean native soil interface on the walls and floor of the cavity. No free-phase product, saturated native soil or apparent groundwater table conditions were observed, within the open excavation cavity, during the remediation activities conducted at this facility.

CLOSURE SOIL SAMPLING ACTIVITIES

During the excavation activities, the backfill and native clay soils within the former UST cavity exhibited mineral spirits. Upon completion of the remediation efforts, several soil samples were then collected from the native clay sidewalls and floor for analytical testing procedures. The soil sampling procedures were performed in accordance with IEPA protocols. A total of Eight (8) soil samples were collected from the walls and floor of the excavation. The (8) soil samples were collected and used for closure purposes (Figure 3 and Figure 4).

All discrete grab closure soil samples were collected using a stainless steel trowel which was thoroughly cleansed with a non-phosphate detergent and distilled water rinse between each sampling event, to help prevent cross-contamination between the samples Disposable latex sampling gloves, were additionally utilized by the Hydrogeologist during all sampling procedures.

Duplicate field soil samples were collected and subjected to field screening procedures with an HNu Photoionization Detector (PID). The duplicate samples were placed into ZIPLOC plastic quart bags and sealed. The soil pieces were subsequently broken up, within the sealed bag, thus creating the maximum surface area for volatilization. An HNu 10.2 eV Photoionization Detector (PID) probe tip was then inserted through the seal to measure the concentration of volatile organic vapors within the head-space of the bags (head-space test). The PID was field calibrated with test gas in accordance with HNu manufacturer protocols.

PHOTOIONIZATION DETECTOR RESULTS - SOIL SAMPLES

The PID detected minor measurable concentrations of organic vapors ranging from 1 ppm to 3 ppm within the closure samples collected from the former UST cavity area as detailed in Table I. The remaining soil samples exhibited PID measurements below detectable limits (BDL) or less than 1 ppm meter unit.

ANALYTICAL TESTING - SOIL SAMPLES

Pursuant to 35 Illinois Administrative Code (IAC) Section 732.310, Indicator Contaminants for Mineral Spirits are Benzene, Ethylbenzene, Toluene and Total Xylenes (BTEX) and Poly Nuclear Aromatic Compounds (PNAs).

A total of eight (8) soil samples were selected for analytical confirmation testing as a part of this closure assessment activities at this facility. All soil samples were collected using a stainless steel sampling trowel, thoroughly cleansed with a non-phosphate detergent and distilled water rinse to help prevent cross-contamination. Disposable latex gloves were also used during the collection of the soil samples. The soil samples were collected in laboratory glass containers with Teflon lined lids, labeled, and placed in a cooler on ice, prior to the delivery to an approved laboratory for chemical analysis.

The soil samples were delivered under a signed Chain-of-Custody form to Great Lakes Analytical Laboratories, Inc. of Buffalo Grove, Illinois, for laboratory analysis. The soil samples were quantitatively analyzed for the mineral spirits indicator contaminants: Benzene, Ethylbenzene, Toluene and Total Xylenes (BTEX) and Poly Nuclear Aromatic Compounds (PNAs) per EPA Methods 8021 and 8310, respectively. A summary of the analytical results of the soil samples are presented in Table II. Copies of the laboratory report and Chain-of-Custody forms are detailed in Attachment 4.

TABLE I

Summary of Photoionization Detector Results UST Cavity Remediation

MOLEX, INC.

5225 Walnut Avenue Downers Grove, Illinois 60515

July 23,1999

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NW-E	NORTH WALL - EAST	BDL
NW-W	NORTH WALL - WEST	<1
SW-E	SOUTH WALL-EAST	3
SW-W	SOUTH WALL-WEST	2
EW	EAST WALL	1
WW	WEST WALL	<1
EF	EAST FLOOR	2
WF	WEST FLOOR	<1

NOTE: Hydrocarbon constituents were measured and are expressed in parts-per-million (ppm) or equivalent HNu meter units.

BDL = Below Detection Limit (< 1 ppm meter unit).

TABLE IISummary of Analytical Results - PNAs

MOLEX, INC.

5225 Walnut Avenue Downers Grove, Illinois 60515

July 23,1999

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Benzene	BDL	BDL	BDL	BDL	0.030
Toluene	BDL	BDL	BDL	BDL	12
Ethyl Benzene	BDL	BDL	BDL	BDL	13
Xylenes	BDL	BDL	BDL	0.040	150
Naphthalene	BDL	BDL	BDL	BDL	84
Acenaphthene	BDL	BDL	BDL	BDL	570
Anthracene	BDL	BDL	BDL	BDL	12,000
Fluoranthene	BDL	BDL	BDL	BDL	4,300
Fluorene	BDL	BDL	BDL	BDL	560
Pyrene	BDL	BDL	BDL	BDL	4,200
Acenaphthylene	BDL	BDL	BDL	BDL	15
Benzo(g,h,i)perylene	BDL	BDL	BDL	BDL	16,000
Phenanthrene	BDL	BDL	BDL	BDL	140
Benzo(a)anthracene	BDL	BDL	BDL	BDL	2.0
Benzo(a)pyrene	BDL	BDL	BDL	BDL	0.8
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	5.0
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	49
Chrysene	BDL	BDL	BDL	BDL	160
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	0.8
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	8.0

NOTE:

Hydrocarbon constituents were measured and are expressed in parts-per-million (ppm) concentrations.

BDL = Below Detectable Limits

ALL SOIL SAMPLES WERE ANALYZED IN ACCORDANCE WITH SW-846, METHOD 8310 HPLC.

TABLE IISummary of Analytical Results - PNAs

MOLEX, INC.

5225 Walnut Avenue Downers Grove, Illinois 60515

July 23,1999

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Because the second of the contract of the second of the se					<u> </u>
Benzene	BDL	BDL	BDL	BDL	0.030
Toluene	BDL	BDL	BDL	0.068	12
Ethyl Benzene	BDL	BDL	BDL	0.045	13
Xylenes	0.035	BDL	BDL	0.12	150
Naphthalene	BDL	BDL	BDL	BDL	84
Acenaphthene	BDL	BDL	BDL	BDL	570
Anthracene	BDL	BDL	BDL	BDL	12,000
Fluoranthene	BDL	BDL	0.11	BDL	4,300
Fluorene	BDL	BDL	BDL	BDL	560
Pyrene	BDL	BDL	0.12	BDL	4,200
Acenaphthylene	BDL	BDL	BDL	BDL	15
Benzo(g,h,i)perylene	BDL	BDL	0.040	BDL	16,000
Phenanthrene	BDL	BDL	0.079	BDL	140
Benzo(a)anthracene	BDL	BDL	0.043	BDL	2.0
Benzo(a)pyrene	BDL	BDL	0.054	BDL	0.8
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	5.0
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	49
Chrysene	BDL	BDL	0.064	BDL	160
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	0.8
Indeno(1,2,3-cd)pyrene	BDL	BDL	0.045	BDL	8.0

NOTE:

Hydrocarbon constituents were measured and are expressed in parts-per-million (ppm) concentrations.

BDL = Below Detectable Limits

ALL SOIL SAMPLES WERE ANALYZED IN ACCORDANCE WITH SW-846, METHOD 8310 HPLC.

ANALYTICAL RESULTS - SOIL SAMPLES

Great Lakes Analytical Laboratories, Inc. did not detect measurable concentrations of Benzene, BTEX or PNA constituents within all closure soil samples collected from the Molex, Inc. facility at levels above 35 Illinois Administrative Code (IAC), Part 742 Tier I Soil Cleanup Objectives.

The laboratory Method Detection Limits utilized by Great Lakes Analytical Laboratories, Inc., in the completion of the analytical testing procedures, are consistent with the recommended IEPA Acceptable Detection Limits (ADLs).

CONCLUSIONS

Based on all information obtained from the field observations and analytical results of the closure samples collected upon completion of the Early Action Site Remediation activities at the Molex, Inc. facility, the following conclusions concerning the current status of this project are summarized as follows:

- One (1) 2,500-gallon Mineral Spirits UST system was excavated and removed from the Molex, Inc., Downers Grove, Illinois facility under the supervision of an inspector from the Office of the State Fire Marshal (OSFM), Mr. Scott Johnson, who witnessed the tank removal procedures.
- Upon completion of the tank removal activities Mr. Scott Johnson of the OSFM classified the site as a "minor" petroleum solvent release in accordance with OSFM guidelines. Therefore, on May 19, 1999, in response to a suspected "minor" hydrocarbon release, Mr. Eugene T. Hermanny of Molex, Inc. obtained an Incident Number 991205 concerning a suspected petroleum solvent release at the Molex, Inc. facility from the Illinois Emergency Management Agency (IEMA).
- Upon completion of the tank removal activities, a free-phase product sheen was observed atop the collected cavity waters within the tank cavity and surrounding sand backfill material surrounding the tank by the OSFM representative.

- In an effort to facilitate the removal of the Free-Phase Product sheen, UNITED retained vacuum truck from RS Used Oil Service, Inc. to remove the cavity water and minor volume of free-phase product sheen from the cavity so that the Early Action Site Remediation activities could continue.
- A total of approximately 1,750-gallons of cavity water and less than 10-gallon of free-phase
 Mineral Spirit sheen was collected and removed from the open excavation cavity for disposal in a licensed disposal facility.
- Approximately 195 cubic yards of impacted backfill soils were removed on July 23, 1999, and disposed of from the former UST cavity during the Early Action Site Remediation activities implemented at this facility. The impacted soils were excavated to remove the most highly impacted and stained backfill material from the cavity.
- The impacted soils were excavated to the clean/suspect soil or structural boundary interface on the walls and floor of the cavity during the Early Action Site Remediation Activities implemented at this facility. The excavation activities concentrated on the removal of the backfill material at approximately 4-feet of the original UST system configuration. At this soil interface, there were no apparent visual or olfactory indications of hydrocarbon impaction along the perimeter walls and floor of the cavity.

- A total of eight (8) soil samples were collected from the walls and floor of the excavation and
 were selected for analytical confirmation testing as a part of this closure assessment activities
 at this facility. The soil samples were delivered under a signed Chain-of-Custody form to
 Great Lakes Analytical Laboratories, Inc. of Buffalo Grove, Illinois, for laboratory analysis.
- Great Lakes Analytical Laboratories, Inc. did not detect measurable concentrations of Benzene, BTEX or PNA constituents within all closure soil samples collected from this facility at levels above 35 Illinois Administrative Code (IAC), Part 742 Tier I Soil Cleanup Objectives.
- In response to these findings, Molex, Inc. petitions the Agency for the issuance of a "No
 Further Remediation" compliance letter, with respect to the requirements of 35 IAC Part 732
 for IEMA Incident No: 991205, since full remediation and source removal was conducted at
 the site.
- The completed IEPA 45-Day Report, Site Identification, and Professional Engineer Certification Forms are presented in Attachment 5.

COMMENTS

United Environmental Consultants, Inc. has performed this investigation in a professional manner using the degree of skill and care conducted for similar projects under comparable conditions as those used by other reputable and competent environmental consultants at the time these services were provided. The scope and depth of this project was directed, and was agreed to, by Molex, Inc. prior to the initiation of the project. All findings are based on documentary review, analytical results, conversations, and site observations as noted in this report.

UNITED employed experienced and trained professionals in attempting to successfully remediate the soils at this site in accordance with IEPA regulation. It is possible that some materials containing petroleum hydrocarbon constituents were not visible or accessible to the professionals and may not have been identified or remediated during this investigation.

This report is not intended to represent an exhaustive research of all potential hazards which may exist at this site and is not representative of future conditions, subsequent activities or events which had taken place before or after our demobilization from the site. Any other activities which have or will transpire at the site are not to be considered relevant to this study.

The conclusions or opinions provided by UNITED are based solely on the scope of work conducted, analytical results obtained and limited explorations described within this report. No warranty, expressed or implied, is made concerning the professional opinions or analytical results included in this report.

United Environmental Consultants, Inc. appreciates the opportunity to complete this project for you. Should you have any questions or require additional information, please call us. We look forward to hearing from you.